

TRANSMITTAL LETTER TO THE UNITED STATES,  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371107581649  
U.S. Application No.International Application No.  
PCT/KR2006/000915International Filing Date:  
14 March 2006 (14.03.06)Priority Date Claimed:  
14 March 2005 (14.03.05)Title Of Invention: **Primer for Detection of Human Papillomavirus**APPLICANT(S) FOR DO/EO/US **YANG, Joo-Sung, et al.**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or change of address letter.
17.  Sequence Listing in Paper Copy.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information: **Specification of Int'l Application (PCT/KR2006/000915); PCT Request; Notification of Receipt of Record Copy**

|  |  |   |                     |                   |
|--|--|---|---------------------|-------------------|
| U.S. Application No.<br><b>107581649</b>   | International Application No.<br>PCT/KR2006/000915 | Attorney's Docket No.<br>HANOL-10988                                  |                     |                   |
|  |  | <u>CALCULATIONS</u>   | <u>PTO USE ONLY</u> |                   |
| 21. <input checked="" type="checkbox"/> Basic National Fee   |  | \$ 300.00   | \$300.00            |                   |
| 22. <input checked="" type="checkbox"/> Examination Fee<br><input type="checkbox"/> If International Preliminary Examination Report prepared<br>by USPTO and all claims satisfy provisions of<br>PCT Article 33(1)-(4)                               |  | \$ 100.00   | \$200.00            |                   |
| <input checked="" type="checkbox"/> All Other Situations   |  | \$ 200.00   |                     |                   |
| 23. <input checked="" type="checkbox"/> Search Fee<br><input type="checkbox"/> Search Fee (37 CFR1.445(a)(2)) has been paid on<br>the international application to the USPTO as an<br>International Searching Authority                              |  | \$ 100.00   | \$500.00            |                   |
| <input type="checkbox"/> International Search Report prepared and provided<br>to the Office  |  | \$ 400.00   |                     |                   |
| <input checked="" type="checkbox"/> All Other Situations   |  | \$ 500.00   |                     |                   |
| <b>Total of 21, 22 and 23 =</b>  |  | <b>\$1,000.00</b>   |                     |                   |
| Additional Fee For Specification and Drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof. |  |   |                     |                   |
| Total Sheets   | Extra Sheets                                       | Number of Additional or Fraction Thereof (round up to a whole number) | RATE                |                   |
| 36 - 100   | 0/50 =   | 0 x 250   | <b>\$0.00</b>       |                   |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).   |  |   |                     |                   |
| CLAIMS   | NUMBER FILED                                       | NUMBER EXTRA  | RATE                |                   |
| TOTAL CLAIMS   | 8 - 20 =   | 0   | x \$50.00           | <b>\$0.00</b>     |
| INDEPENDENT CLAIMS   | 3 - 3 =  | 0   | x \$200.00          | <b>\$0.00</b>     |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  | + \$360.00   | no  | + \$360.00          | <b>\$0.00</b>     |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |  |   |                     | <b>\$1,000.00</b> |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2   |  |   |                     |                   |
| <b>SUBTOTAL =</b>  |  |   |                     | <b>\$500.00</b>   |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |  |   |                     | <b>\$0.00</b>     |

AP3 Rec'd PCT/PTO 31 MAY 2006

|   |  |                                      |
|---|--|--------------------------------------|
| U.S. Application No.<br><b>10/581649</b>  | International Application No.<br>PCT/KR2006/000915 | Attorney's Docket No.<br>HANOL-10988 |
| <b>TOTAL NATIONAL FEE =</b>   |  | <b>\$500.00</b>                      |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).<br>\$40.00 per property +   |  | <b>\$0.00</b>                        |
| <b>TOTAL FEES ENCLOSED =</b>  |  | <b>\$500.00</b>                      |
|   |  | <b>Amount To Be Refunded:</b> \$     |
|   |  | <b>Charged:</b> \$                   |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$500.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge any my Deposit Account No. <u>08-1290</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p>d. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, and/or credit any overpayment, to <b>Deposit Account No. 08-1290</b>. A duplicate copy of this sheet is enclosed.</p> |  |                                      |
| <p><b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</b></p> <p>Send All Correspondence To:</p> <p>David A. CASIMIR<br/>MEDLEN &amp; CARROLL, LLP<br/>101 Howard Street, Suite 350<br/>San Francisco, CA 94105<br/>Phone: 415-904-6500<br/>Fax: 415-904-6510</p> <p><br/>_____<br/>David A. Casimir (Reg. No. 42,395)</p> <p>_____<br/>31/05/06<br/>_____<br/>Date</p>   |  |                                      |